

Interactive comment on “Integrated dataset of deformation measurements in fractured volcanic tuff and meteorological data (Coroglio coastal cliff, Naples, Italy)” by Fabio Matano et al.

Anonymous Referee #4

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General comments: It is an interesting paper on the effects of external forcing factors (mainly temperature, rainfall and wind) on the deformation of a rocky cliff, based on in situ measurement of the meteorological and deformation data for a considerable time period (4 years). This provides an important contribution for the knowledge on the generation of cliff instability phenomena. The paper has a clear structure, is well written and deals with large datasets, which enabled consistent, if somewhat scarce, conclusions. Figures 6 to 11 (bar plots) could be grouped, since they are somewhat repetitive, and could be presented with smaller size.

I recommend publication with minor changes.

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Page 6, line 8 – Instead of “max-min values” it is better “value ranges”; please indicate units in the numbers. Fig. 6, 7a, 8, 9 10, 11 – Instead “sensors” it would be clearer to indicate “crackmeters”.

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2019-139>, 2019.

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